

IMAGE DISPLAY CIRCUIT

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Abstract

PURPOSE:To hold a high grade color function without an expensive circuit using a picture control LSI by adding or reinforcing the color function into an OSD(on-screen device) IC.

CONSTITUTION:In an image display circuit using the on-screen display IC 1 receiving a clock signal, a horizontal synchronizing signal and a vertical synchronizing signal, and outputting dot data constituting an image synchronizing with these signals, this circuit is provided with a first counter 2 counting a dot clock being a basic clock for displaying the dot and being reset by the horizontal synchronizing signal, a second counter 3 counting the horizontal synchronizing signal and being reset by the vertical synchronizing signal, a RAM 4 making the outputs of the first and the second counters 2, 3 address signals, and storing plural bits of color data in memory addresses corresponding to the address signals and a synthesizer circuit 10 synthesizing the output of the RAM 4 with the dot data outputted from the on-screen display IC 1, and outputting output dot data with more number of dots than the dot data.

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